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F-D Report No. 4

A directory of

Freeze-Drying:

Food Processors

Equipment Firms

and Others

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FREEZE-DRY PROCESSORS, EQUIPMENT MANUFACTURERS, AND
OTHER FIRMS INVOLVED IN FREEZE-DRYING

Freeze-Dry Food Processors

United States & Canadian Firms

ARMOUR & COMPANY

2701 W. Grant
Bellwood, Illinois
Henry Furgol, Pl. Mgr.
(Processes complete lines of meats,
some fishery products, eggs, some
vegetables, casseroles, and mixes.
Many packaged for campers, some for
retail market.)

CALIFORNIA VEGETABLE CONCENTRATES, INC.

705 Whitmore Avenue
P. O. Box 3210
Modesto, California
(Processes vegetables, fruits, and
meats on a contract basis for ins-
titutional use, processing, and QMC.
Subs. of General Foods.)

CAMPBELL SOUP COMPANY

Camden 1, New Jersey
Albert Shea, Staff Prod. Mgr.
(Processes chicken, beef, mushrooms,
and onions for own brand of dried
soups.)

CANADA FREEZE-DRY FOODS, LTD.

Oakville, Ontario, Canada
J. E. Margison, President
224 Merton Street
Toronto, Ontario, Canada
(Processes meats, vegetables, and
fruits for remanufacture and con-
venience foods. Also processes on
a custom basis and contract basis for
institutional use and field rations.)

FREEZE-DRY PRODUCTS COMPANY

c/o National Ice & Cold Storage
Watsonville, California
S. Castorina, President
P. O. Box 43006, La Tijera Station
Los Angeles 43, California
(Processes complete line of freeze-
dry foods on a custom basis.)

FREEZE-DRY PRODUCTS, INC.

301 N.W. 8th Street
Evansville, Indiana
Ross Carey, Vice President & Pl. Mgr.
William Fleig, President
(Processes meats and vegetables on a
custom basis. Also does contract
work for QMC and private companies.)

MAXWELL HOUSE DIVISION OF GENERAL FOODS

1125 Hudson Street
Hoboken, New Jersey
(Processes instant coffee for use in
own blend.)

PAUL A. MARIANI COMPANY

10930 N. Highway 9
Cupertino, California
(Processes fruits, on contract basis,
for domestic and export use.)

SLACK BROTHERS, LTD.

Waterloo, Quebec, Canada
Robert Flood, Vice President
(Processes mushrooms.)

This listing of freeze-dry firms was prepared by Kermit Bird, Marketing Economics
Division, Economic Research Service, U.S. Department of Agriculture, Washington
25, D. C. So far as is known the list is correct as of April 1963. Addi-
tional copies may be obtained by writing to the above address.

Freeze-Dry Food Processors (Continued)

United States & Canadian Firms (Continued)

THOMAS J. LIPTON, INC.

Albion, New York
Arthur J. Harriman, Dir. of Research
Hoboken, New Jersey
(Processes chicken, meat dices,
mushrooms for company's own soup
mixes. Subs. of Unilever.)

UNITED FRUIT & FOOD CORP.

San Carlos, Texas
P. O. Box 187
Edinburg, Texas
Ronald Warnick, Dir. of Manufacturing
30 Saint James Street
Boston, Massachusetts
(Processes seafoods and chicken
for institutional uses. Also
complete line of meats for QMC
and others on a contract basis.)

WILSON & CO., INC.

Omaha, Nebraska
L. R. Siegel, Manager
Dehydrated Foods Division
Prudential Plaza
Chicago 1, Illinois
(Manufactures complete line of
ground and diced meats, poultry,
shrimp, and some prepared dishes.
Marketed under own name. Also
processes for QMC and others on a
contract and custom basis.)

Firms Located Abroad

A/B VATO (Unilever Affiliate)

Halmstad, Sweden
(Freeze-dried meat and vegetables
for soups.)

AERATED FOODS, LTD.

41 Saint Mary Avenue
London, E.C. 3
Lt. Col. G.E.C. Dier, M.C., Dir.
Walton Works: 149
Heisham Road
Walton-on-Thames
Surrey, England
(Freeze-dried tea)

AFICO (Maggi G.m.b.H., subsidiary)

Singen, W. Germany
(Processes meat pieces and vegetables
for dried soups.)

BLA BAND PRODUKTER AB

Stålverksgatan, Postbox 240
Halmstad, Sweden
Gunnar Holmen, Manager
(Processes chicken, meats, and
vegetables.)

BROOK BOND, LTD.

Cannon Street
London E.C. 4, England
(Processes coffee extract.)

DAHLHOFF & KING (N.Z.), LTD.

Invercargill, New Zealand
J. N. Dahlhoff
G. P. O. 3040
Wellington, New Zealand
(Processes meat products.)

FRUTAS SOLUVEIS FRUSOL S/A

Campinas
Sao Paulo, Brazil
(No detailed information.)

Freeze-Dry Food Processors (Continued)

Firms Located Abroad (Continued)

H. HARTOGS' FABRIKEN N.V.

Oss, Netherlands
(a Unilever Affiliate)
(Processes chicken and mushrooms
for soup mixes, and vegetables.)

IRISH SUGAR CO., LTD.

Mallow, Eire
J. Ginnell, Dir. of Food Processing
7 Clare Street
Dublin, Eire
(Processes meats, vegetables, fruits,
and seafoods.)

JAPAN INSTANT FOOD CORP.

Osaka, Japan
(No detailed information)

J. LYONS, LTD.

London W. 14, England
Also Cadby Hall
London W.2 England
(Processes fruits, vegetables, and
dairy products.)

KNORR FOOD PRODUCTS

(Subs. of Corn Products, Inc. of
Argo, Illinois, P. O. Box 345 c)
Leutschenbach, Strasse 46
Zurick 11, Switzerland
(Processes meats and vegetables for
own soup mixes sold in Europe.)

LIEBIGS EXTRACT OF MEAT CO., LTD.

Sligo, Eire
(Processes scampis, fish, and
vegetables for institutional and
retail trade.)

LUCAS AARDENBURG, N.V.

Hoogeveen, Netherlands
(Processes vegetables)

NESTLE' (Maggi)

Case Postale 13
Uevey, Switzerland
(Processes meat pieces and vegetables
for dried soup mixes.)

N.V. PRESERVENBEDRIJF

P. O. Box 207
Breda, Holland
(Processes vegetables and fruits,
poultry, beef, and veal.)
Managers name: D.A. d'arnoud Gerkens

OBIPEKTIN A/G

Dischofszell, Switzerland
(Division of United Fruit)
Dr. Ing W. Pilnik, Director
(Manufactures fruit crystals.)

ROYAL HOLLANDIA MILK & FOOD COMPANY

Vlaardingen, Netherlands
(Processes complete range of foods.)

SITBA

Auxonne, France
(Maggi Affiliate)
(Processes freeze-dried meat and
vegetables for soup mixes.)

Freeze-Dry Food Processors (Continued)

Firms Located Abroad (Continued)

TECHNOPROMIMPORT

Moscow, U.S.S.R.

(No detailed information.)

UNILEVER, LTD.

Unilever House

P. O. Box 760

Rotterdam, Netherlands

(Processes chicken for dried soups.)

Freeze-Dry Equipment Manufacturers

United States & Canadian Firms

BETHLEHEM FOUNDRY & MACHINE COMPANY
 225 W. 2nd Street
 Bethlehem, Pennsylvania
 William L. Root, 3rd, Manager of
 Vacuum Freeze-Dry Division
 (Design, manufacture, and install
 complete line of sublimators.)

CHEMET ENGINEERS, INC.
 2560 E. Foothills Blvd.
 Pasadena, California
 C. N. Sjorgren, President
 (Design, manufacture, and install
 complete line of food sublimators,
 plus associated food handling
 facilities.)

DEL-VAC ENGINEERING
 461 N. Eucalyptus Avenue
 P. O. Box 722
 Inglewood, California
 John E. Blaine, Jr., President
 (Design, manufacture, and install
 sublimators.)

F. J. STOKES CORP.
 5500 Tabor Road
 Philadelphia 20, Pennsylvania
 John Maguire, Manager of Food
 Equipment Processing Division
 (Design, manufacture, and install
 complete line of sublimators
 and associated equipment.)

FMC CORP.
 Box 1120
 333 W. Julian Street
 San Jose 8, California
 Ben L. Manfree, Appl. Eng.
 Central Engineering Laboratory
 P. O. Box 580
 Santa Clara, California
 (Design, manufacture, and install
 complete line of sublimators.)

FREEZ-DRINAMICS SYSTEMS, INC.
 6920 Melrose
 Los Angeles 38, California
 William R. Ulrich, President
 (Design, manufacture, and install
 custom built sublimators. These
 available for sale or lease.)

FREEZE-DRY PRODUCTS, LTD.
 224 Merton Street
 Toronto 7, Ontario, Canada
 J. E. Margison, President
 (Design, manufacture, and install
 custom sublimators for food, biological,
 and pharmaceutical uses.)

J. P. DEVINE MANUFACTURING COMPANY
 49th Street & A.V.R.R.
 Pittsburgh, Pennsylvania
 G. R. Cox
 (Design, manufacture, and install
 custom sublimators. Special units
 to purchaser specification.)

Freeze-Dry Equipment Manufacturers (Continued)

United States & Canadian Firms (Continued)

NRC EQUIPMENT CORP.
160 Charlemont Street
Newton 61, Massachusetts
Orvis M. Knarr, Sales Manager
(Manufacturing sublimators and U.S.
agents for complete line of Atlas
models.)

VACUDYNE CORP.
375 E. Joe Orr Road
Chicago Heights, Illinois
Fred Lindstrom, Vice President
(Design, manufacture, and install
complete line of sublimators.)

Firms Located Abroad

A/S ATLAS
Baldersgade 3
Copenhagen, Denmark
O. Begtrup-Hansen
(Design, manufacture, and install
complete line of sublimators.)
Represented in U.S. by NRC Equipment
Company.

COMPAGNIE FRANCAISE THOMSON-HOUSTON
Paris, France
(Design and manufacture complete
line of sublimators.)

C O G E R, S.p.A., MACCHINE E METALLI
4, Via Santa Margherita
Milano, Italy
Giuseppi G. Pasque, President
(Design, manufacture, and install
vacuum equipment.)

EDWARDS HIGH VACUUM, LTD.
Manor Royal, Crawley
Sussex, England
T.W.G. Rowe, Head, Research Division
(Design, manufacture, and install
sublimators for biological preparations
and food. Also manufactures high
vacuum pumps and compressors, gauges,
switches, and other accessories.)

EDWARDS ALTO VUOTO S.p.A.
Via Gallarate N 217
Milan, Italy
Dr. P.M. della Porta, Director
(Design, manufacture, and install
pilot plant and custom built sublimators.
Owned by Edwards High Vacuum Ltd.)

JAPAN VACUUM ENGINEERING CO., LTD.
Nippon Seimei Ginza Bldg.
5, 1-Chome, Cinza-Nichi, Chuo-Ku
Tokyo, Japan
Factories at Yokohama and Amagasaki
(Design, manufacture, and install own
sublimators. Also handle Vickers-
Armstrong equipment.)

LEYBOLD-ELLIOTT, LTD.
Tunnel Avenue
London S.E. 10, England
J. M. Dalglish, Head, Freeze-Drying
Department
(Design, manufacture, install, and
commission Leybold sublimators within
Sterling area of Commonwealth.)

Miscellaneous Group of Freeze-Drying Firms Including Handlers of
Freeze-Dried Foods, Processors of Nonfood Items, Manufacturers
of Controls, and Firms Not Yet in Business

AMERICAN STERILIZER COMPANY

2424 W. 23rd Street
Erie, Pennsylvania
James J. Wingenbach, Sales Manager
(Design and manufacture complete line
of sublimators.)

BERNARD FOOD INDUSTRIES, INC.

1208 E. San Antonio Street
San Jose, California
Frank S. Bernard, Manager
(Owns no sublimators. Purchases
freeze-dried food from other processors
and sells under own brand to campers.)

BUFLOVAK EQUIPMENT DIVISION OF BLAW-KNOX

1543 Fillmore Avenue
P. O. Box 2041
Buffalo 11, New York

CORP. PICKER INTER-AMERICANA

White Plains, New York
G.C. Oswald
(Distributor of REPP and Virtis
laboratory sublimators outside of
United States and Canada.)

COURTLAND LABORATORIES

5555 Valley Blvd.
Los Angeles 32, California
Paul Bogikes, Vice President
(Pharmaceutical freeze-drying)

ESSEX PACKERS, LTD.

Brant Street
Hamilton, Ontario, Canada
R.R. Furlong, Mgr. of Freeze-Dry
Operation.
(Not presently operating. Formerly
processed meats, stews, and vegetables.)

FISHER SCIENTIFIC COMPANY

203 Fisher Building
Pittsburgh, Pennsylvania
(Manufactures controls for sublimators.)

FOOD DEVELOPMENT UNIT

Unilever Limited
Greyhope Road
Aberdeen, Scotland
(Processes meats, poultry, vegetables,
and fruits -- for experiments and own
use.)

THE FOXBORO COMPANY

924 Neponset Avenue
Foxboro, Massachusetts
Wendell S. Young, Engineer
(Design and manufacture controls for
freeze-dryers.)

FREEZE-DRIED FOODS DIVISION

Korody Marine Corp.
12822 Simms Avenue
Hawthorne, California
Paul Korody, President, Terrance Miller,
Technical Director
(Plant under construction and expected
to be in production fall of '63 in
mushrooms, herbs, vegetables, and
chicken.)

Freeze-Dry Equipment Manufacturers (Continued)

Firms Located Abroad (Continued)

LEYBOLD-HOCHVAKUUM-ANLAGEN G.m.b.h.

Bonner Strasse 504

Köln-Bayenthal (Cologne)

Post fach 195

Germany

Dr. G. W. Oetjen, Director

(Design, manufacture, and install
complete line of sublimators.)Represented in U.S. by Dresser Vacuum
Company, Division of Dresser Industries,
1915 N. Harlem, Chicago, Illinois.

MITCHELL ENGINEERING COMPANY, LTD.

Tavistock House, North

Tavistock Square

London, W.C.1, England

Comm. E.A. Woodward and P.B. Mason

Also Peterborough, Lincolnshire,
England(General engineering. Design, manu-
facture, and install sublimators for
coffee extract and portable use.)

VICKERS-ARMSTRONG, LTD.

P. O. Box 8, So. Marsden Works

Swindon, Wilts, England

S.E.H. Lefever, Prod. Mgr.

R.T. Cox, Sales Coordinator

(Design, manufacture, and install
complete line of sublimators.)

Miscellaneous Group of Freeze-Drying Firms Including Handlers of
Freeze-Dried Foods, Processors of Nonfood Items, Manufacturers
of Controls, and Firms Not Yet in Business (Continued)

HULL CORP.

Hatboro, Pennsylvania
Joseph Hull, President
J. H. Leary, Sales Manager
(Design, manufacture, and install
custom vacuum equipment.)

REPP INDUSTRIES

Route 208
Gardiner, New York
T.N. Thompson, Adm. Ass't.
(Design and manufacture pharmaceutical
and laboratory sublimators.)

KRAFT FOODS DIVISION OF NATIONAL
DAIRY PRODUCTS CORP.

99 Park Avenue
New York 16, New York
Fred Huneke, Head of Institutional
Products
(Distributes United Fruit and Food
Products.)

S A T F A

(Freeze-drying processor located in
northern Italy, but no further
information available.)

M & R DIETETIC FOODS

625 Cleveland Avenue
Columbus 16, Ohio
(Freeze-dried mothers' milk)

SCIENTIFIC MENU FOOD PREP., INC.

1832 Johnston Street
Los Angeles 31, California
Affiliated with Riverside Poultry Co.,
a subsidiary of Ralston-Purina Co.
Sal Castorina, President
(On a custom basis -- prepares, cooks,
freezes, freeze-dries, and cans
various foods as a service to food
processors.)

PILLSBURY MILLS, INC.

311 Second Street, S.E.
Minneapolis 14, Minnesota
R. Shaw, Manager
(Liquid heat freeze-drying.)

STAL-LAVAL APPARAT AB

Linköping, Sweden
Eric Stenstedt, Manager
(Manufactures vacuum equipment.)

PUCCINELLI PACKING COMPANY, INC.

P. O. Box 430
Turlock, California
Edward L. Fanucchi, Sales Manager
(Does not own sublimators. Contracts
drying of vegetables, pieces, and
powders. Distributes in Europe.)

THE CHUN KING CORP.

P. O. Box 206,
5020 Roosevelt Street
Duluth 1, Minnesota
Nathan G. Fox, Vice President, Research
and Quality Control
(Processing wild rice, fruits, mush-
rooms, celery, and other materials on
a pilot plant basis.)

Miscellaneous Group of Freeze-Drying Firms Including Handlers of
Freeze-Dried Foods, Processors of Nonfood Items, Manufacturers
of Controls, and Firms Not Yet in Business (Continued)

VIRTIS COMPANY, INC.
Gardiner, New York
(Design and manufacture laboratory
sublimators.)

VOTATOR DIVISION OF CHEMETRON CORP.
P. O. Box 43
Louisville 1, Kentucky
H.E. Huber, Manager, Sales Division
Weld Conley, Director of Research
(Design and manufacture equipment,
a continuous vacuum belt dryer.)

Other freeze-dry reports that are available include: "Freeze-Drying Progress and Problems," Freeze-dry Report No. 1; "Freeze-Drying Expectations," Freeze-dry Report No. 2; and "Freeze-Dried Poultry," Freeze-dry Report No. 3. These may be obtained by writing to Kermit Bird, Marketing Economics Division, Economic Research Service, U. S. Department of Agriculture, Washington 25, D.C.